



CITY OF SANTA CLARA  
invites applications for the position of:

# Fire Protection Engineer

**SALARY:** \$60.14 - \$76.79 Hourly  
\$10,425.00 - \$13,311.00 Monthly  
\$125,100.00 - \$159,732.00 Annually

**OPENING DATE:** 05/03/19

**CLOSING DATE:** 05/24/19 04:00 PM

**EXAM WEIGHT:** 100% Oral

**TENTATIVE EXAM INFORMATION:** 100% Oral Exam- To Be Determined (Open/Competitive Recruitment)

**DESCRIPTION:**

**Preferred Filing Date: 4:00 p.m. Friday, May 24, 2019**

To receive first consideration in the screening process:

Submit a 1) Completed City Application, and 2) Current resume by the preferred filing date. Incomplete applications will not be accepted. This position may remain open until filled.

*Meeting the minimum qualifications does not guarantee admittance into the examination process. Only the most qualified candidates who demonstrate the best combination of qualifications in relation to the requirements and duties of the position will be invited to test. Depending on the applicant pool, it is possible that only a limited number of applicants will be invited to the oral examination. Candidates must pass the examination process to qualify for the Eligible List. A department interview will be required prior to appointment.*

The Fire Protection Engineer position is a non-sworn position that performs moderate to complex review of plans and specifications for buildings, fire protection equipment, and industrial processes; and serves in an advisory capacity to department staff on a variety of fire protection requirements and procedures.

**TYPICAL DUTIES:**

Duties may include, but are not limited to, the following:

With general direction:

- Reviews and evaluates sprinkler systems, fire main installations, detection and alarm systems, smoke control systems, and other fire protection components for code compliance
- Reviews residential, commercial, and industrial plans and specifications for compliance with State and Local fire prevention codes and ordinances
- Reviews and evaluates site construction and all other system plans to ensure compliance with applicable regulations, standards, and codes
- Issues written correspondence outlining code interpretations and deficiencies found in plan review
- Provides technical assistance and guidance to architects, engineers, developers, contractors, building owners, and various fire department personnel by providing technical interpretations of building and fire codes as they apply to a jurisdiction
- Reviews site development plans to ensure adequate water supply and fire hydrant availability; tests water distribution systems, and places hydrants and water main locations for new developments
- Conducts engineering computations such as fire flow, hydraulic design, building areas, and

occupant loads

- Conducts fire safety inspections of buildings, structures, premises and installations to enforce compliance with Federal, State and local fire safety laws, codes and regulations.
- Reviews proposals and recommends modifications, reviews technical literature and proposes new fire protection procedures
- Assists in the training of various Department personnel with regards to fire science, fire protection components, and fire inspections
- Prepares clear, concise, and comprehensive technical reports, analyzes complex fire protection issues, and makes recommendations
- May perform specialized types of field inspections as directed by the Deputy Fire Marshal III, Assistant Fire Marshal or Fire Marshal
- Conducts fire safety inspections of weekend fairs or festivals, public fireworks displays and other special events
- Performs other related duties as assigned

#### **MINIMUM QUALIFICATIONS:**

##### EDUCATION AND EXPERIENCE

- Graduation from an accredited college or university with a Bachelor's degree in Fire Protection, Civil Engineering, or Mechanical Engineering; and
- Three (3) years of full time experience in fire protection engineering.

Desirable Qualifications:

- Registration as a licensed Fire Protection Engineer in the State of California is desirable.

##### LICENSE AND/OR CERTIFICATIONS

- Possession of a valid California Class C driver's license is required at time of appointment and for the duration of employment.

##### OTHER REQUIREMENTS:

- A medical examination will be required prior to appointment.
- Prior to hire, candidates will be required to successfully pass a pre-employment background check, which may include employment verification, a DMV record check, a criminal history check and Department of Justice (DOJ) fingerprinting. Any information obtained will be used to determine eligibility for employment in accordance with the law. A conviction history will not necessarily disqualify an applicant from appointment however, failure to disclose a conviction when required will result in disqualification from the recruitment process.
- Candidates will be required to pass a City background investigation which will include fingerprinting, to meet Federal, State and/or industry security requirements.
- Must be able to perform all the essential functions of the job assignment.

##### VETERAN'S PREFERENCE POINTS

This position qualifies for Veteran's Preference Points. Applicants who have separated from service (Active Duty status) must submit proof of Honorable Discharge (Form DD214) with their application at time of filing.

##### CONFLICT OF INTEREST

Incumbents in this position are required to file a Conflict of Interest statement upon assuming office, annually, and upon leaving office, in accordance with City Manager Directive 100.

#### **KNOWLEDGE, SKILLS, AND ABILITIES:**

##### Knowledge of:

- Principles and practices of modern fire protection engineering concepts
- Fire protection and fire inspection standards, codes, ordinances, rules, and regulations
- Structural fire protection, fire hazard control, and fire extinguishing detection/alarm systems
- Safety standards in structures where hazardous solids, liquids, or gases are to be manufactured, used, or stored
- National Fire Protection Association standards
- Standards of building design, construction, and materials

##### Ability to:

- Comprehend and evaluate building plans and specifications including fire suppression, alarm,

and detection systems

- Conduct and evaluate engineering computations
- Analyze and evaluate statistical data
- Effectively handle multiple priorities, organize workload and meet strict deadlines
- Establish and maintain a cooperative working relationship with those contacted in the course of work, including the general public
- Communicate effectively, both orally and in writing
- Maintain a calm and professional demeanor in a confrontational or difficult situation
- Walk or stand for extended periods of time
- Bend, stoop, reach, carry, crawl, climb and lift up to 50 pounds as necessary to perform assigned duties

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APPLICATIONS MAY BE FILED ONLINE AT:

<http://www.santaclaraca.gov>

Position #32-19-492  
FIRE PROTECTION ENGINEER  
VS

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Santa Clara, CA 95050  
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Equal Opportunity Employer

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